

# RECYCLING INFORMATION ON DISPOSABLE PROPANE CYLINDERS WITH COLEMAN® GREEN KEY® TOOL INSTALLED

# COLEMAN® PROPANE CYLINDER MATERIALS



<u>Part</u>	<u>Material</u>	Weight (g)
<b>Dust Cap</b>	Polypropylene	discarded
1. Green Key® Tool	HDPE	0.8
2. Container Assembly	Steel	381.0
3. Valve	Brass, Polymers, Steel	
Assemblies	(< 0.1 g steel)	2.2
4. Labels	Lead Free Ink & Paper	<1
5. Base	Polypropylene & Polymeric	8.2
	Hot Melt Glue	0.4
	TOTAL	396.6 (13.99 oz.
	TOTAL STEEL	381.0 (13.44 oz

# PROPANE CYLINDER WITH GREEN KEY® TOOL IN PLACE

- A cylinder with the Green Key® tool installed in the valve is open to the atmosphere — no pressure or vapor will remain inside the cylinder.
- With the Green Key® tool installed, the cylinder is easily identified as open to the atmosphere and empty. It is no longer hazardous waste.
- The Green Key® tool is designed so that once it is inserted, the consumer cannot remove it. If removal is attempted, the device breaks leaving the cylinder open to the atmosphere.

# PROPANE CYLINDERS VENTED WITH GREEN KEY® TOOL

- Cylinders that are vented to the atmosphere are NOT classified as hazardous waste.
- Vented cylinders can therefore be considered to be recyclable scrap metal.
- Vented cylinders can be safely transported without special handling, packaging or documentation.
- Vented cylinders can be baled, crushed or shredded without special precautions.
- If segregated from other scrap metals the 8 pt. carbon steel content may command a higher price than other scrap metals.

**Loss of the device during processing** - The Green Key<sup>®</sup> tool may become displaced from the cylinder valve.

• Once it is verified that the Green Key® tool has been installed in a cylinder, its loss during the recycling

process does not change the safety of the container in the recycling stream.

- The Green Key® tool vents the container to the atmosphere. If installation is confirmed at any stage of the process, the cylinder contains only air at room pressure in place of propane at a higher pressure.
- The loss of the Green Key® tool after confirmation simply means that downstream participants in recycling lose the indicator benefits it provides.

#### Contamination

- With the Green Key® tool installed, the propane container is open to the atmosphere like any other open container.
- Contamination from liquids and gases found in the recycling stream is possible—such as the collection of liquids and gases in cans and tanks.
- Any precautions that are taken when recycling aluminum cans, paint cans, or other containers should be considered when recycling propane cylinders with the Green Key® tool installed.

## Baling, Crushing

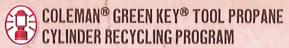
 With the Green Key® tool installed, a propose cylinder would pose no hazard during the baling/crushing operations.

### Shredding

• With the Green Key® tool installed, a propane cylinder would pose no hazard during shredding.

# Melting

• With the Green Key® tool installed, a propane cylinder would pose no hazard in a smelting tank.



Technical Information for Steel Recyclers, Processors and Mills.



ET'S GO OUTSIDE



LET'S GO DUTSIDE-